Annual Action Plan

(Jan. 2023 - Dec. 2023)

Krishi Vigyan Kendra Manpur, Gaya

भाकृअनुप
ICAR

Directorate of Extension Education

Bihar Agricultural University, Sabour Bhagalpur

ACTION PLAN – (January 2023 – December 2023)

1. Name of the KVK: KRISHI VIGYAN KENDRA, MANPUR, GAYA

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Training programme to be organized (January 2023 to December, 2023)

(a) Farmers and farmwomen

Thematic area	Title of Training	No	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Crop Production														
Weed management	Weed management in wheat	1	1	On/Off	Jan 2023	5	1	0	0	15	4	20	5	25
Weed management	Weed management in chickpea	1	1	On/Off	Jan 2023	5	1	0	0	15	4	20	5	25
Weed management	Weed management in lentil	1	1	On/Off	Jan 2023	5	1	0	0	15	4	20	5	25
IPM	IPM in mustard	1	1	On/Off	Jan 2023	5	1	0	0	15	4	20	5	25
ICM	Cultivation technique of sugarcane	1	1	On/Off	Feb 2023	5	1	0	0	15	4	20	5	25
ICM	Cultivation technique of green gram	1	1	On/Off	Feb 2023	5	1	0	0	15	4	20	5	25
ICM	Cultivation technique of millets	1	1	On/Off	Feb 2023	5	1	0	0	15	4	20	5	25
ICM	Field day on lentil	1	1	On/Off	Feb 2023	5	1	0	0	15	4	20	5	25
ICM	Production technology of millets	1	1	On/Off	Mar2023	5	1	0	0	15	4	20	5	25
ICM	Package & practices of summer crops	1	1	On/Off	Mar2023	10	2	0	0	30	8	40	10	50
ICM	Field day on chickpea	1	1	On/Off	Mar2023	10	2	0	0	30	8	40	10	50
ICM	Cultivation technique of til	1	1	On/Off	Mar2023	10	2	0	0	30	8	40	10	50
ICM	Package & practices of summer crops	2	1	On/Off	Apr 2023	10	2	0	0	30	8	40	10	50
ICM	Scientific cultivation of millets	2	1	On/Off	Apr 2023	10	2	0	0	30	8	40	10	50
Soil fertility	Method of soil sampling	2	1	On/Off	May2023	10	2	0	0	30	8	40	10	50
Nursery Management	Methods of nursery raising of rice	2	1	On/Off	May2023	10	2	0	0	30	8	40	10	50
RCT	Cultivation Technique of Direct Seeded Rice	2	1	On/Off	Jun 2023	10	2	0	0	30	8	40	10	50
ICM	Cultivation technique of pigeon pea	2	1	On/Off	Jun 2023	10	2	0	0	30	8	40	10	50
ICM	Cultivation technique of bajra	1	1	On/Off	Jun 2023	5	1	0	0	15	4	20	5	25
ICM	Cultivation technique of maize	1	1	On/Off	Jul 2023	5	1	0	0	15	4	20	5	25

Thematic area	Title of Training	No	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
ICM	Production technology of transplanted rice	2	1	On/Off	Jul 2023	10	2	0	0	30	8	40	10	50
ICM	Cultivation technique of ragi	1	1	On/Off	Jul 2023	5	1	0	0	15	4	20	5	25
ICM	Production technology of jowar	1	1	On/Off	Jul 2023	5	1	0	0	15	4	20	5	25
IWM	Integrated weed management in paddy	2	1	On/Off	Aug2023	10	2	0	0	30	8	40	10	50
ICM	Package & practices of pigeonpea	1	1	On/Off	Aug2023	5	1	0	0	15	4	20	5	25
INM	Integrated nutrient management in paddy	2	1	On/Off	Sep 2023	10	2	0	0	30	8	40	10	50
Irrigation Management	Irrigation management in paddy	1	1	On/Off	Sep 2023	5	1	0	0	15	4	20	5	25
ICM	Package & practices of lathyrus	1	1	On/Off	Sep 2023	5	1	0	0	15	4	20	5	25
ICM	Cultivation technique of lentil	2	1	On/Off	Oct 2023	10	2	0	0	30	8	40	10	50
ICM	Cultivation technique of rapeseed and mustard	2	1	On/Off	Oct 2023	10	2	0	0	30	8	40	10	50
ICM	Cultivation technique of chickpea	2	1	On/Off	Nov2023	10	2	0	0	30	8	40	10	50
ICM	Cultivation technique of lentil	2	1	On/Off	Nov2023	10	2	0	0	30	8	40	10	50
ICM	Cultivation technique of maize	1	1	On/Off	Nov2023	5	1	0	0	15	4	20	5	25
IWM	Integrated weed management in wheat	2	1	On/Off	Dec 2023	10	2	0	0	30	8	40	10	50
INM	Integrated nutrient management in rabi crops	2	1	On/Off	Dec 2023	10	2	0	0	30	8	40	10	50
IWM	Integrated weed management in wheat	2	1	On/Off	Dec 2023	10	2	0	0	30	8	40	10	50
	Total	**52**				**275**	**55**	**0**	**0**	**825**	**220**	**1100**	**275**	**1375**
Extension Education														
Natural farming	Natural farming demand of future	1	1	On/Off	Jan 2023	1	1	0	0	16	2	17	3	20
Soil fertility management	Awareness on use and importance of soil health card	1	1	On/Off	Jan 2023	1	1	0	0	16	2	17	3	20
Soil fertility management	Improving soil health by natural farming	1	1	On/Off	Jan 2023	1	1	0	0	16	2	17	3	20
Soil fertility management	Awareness on use and importance of soil health card	1	1	On/Off	Jan 2023	1	1	0	0	16	2	17	3	20
Entrepreneurial development	Production technology of oyster mushroom and its value addition	1	1	On/Off	Feb. 2023	1	1	0	0	16	2	17	3	20
Value addition	Value addition in mushroom	1	1	On/Off	Feb 2023	1	1	0	0	16	2	17	3	20
Soil fertility management	Awareness on use and importance of soil health card	1	1	On/Off	Feb 2023	1	1	0	0	16	2	17	3	20
Entrepreneurial development	Doubling income by means of scientific mushroom production technology	1	1	On/Off	Feb 2023	1	1	0	0	16	2	17	3	20
Natural farming	Nature farming is the way of improving soil health	1	1	On/Off	Mar2023	1	1	0	0	16	2	17	3	20

Thematic area	Title of Training	No	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Soil fertility management	Awareness on use and importance of soil health card	1	1	On/Off	Mar2023	1	1	0	0	16	2	17	3	20
Formation and Management of SHGs	Improving socio-economic condition through SHGs.	1	1	On/Off	Mar2023	1	1	0	0	16	2	17	3	20
Value addition	Value addition in coarse grains	1	1	On/Off	Apr 2023	1	1	0	0	16	2	17	3	20
Information networking	Use of ICT for increasing yield in agriculture	1	1	On/Off	Apr 2023	1	1	0	0	16	2	17	3	20
ICM	Cultivation of Bajra and its value addition	1	1	On/Off	Apr 2023	1	1	0	0	16	2	17	3	20
management of SHGs	Improving socio-economic condition through SHGs.	1	1	On/Off	Apr 2023	1	1	0	0	16	2	17	3	20
ICM	Scientific cultivation of Madua and its value addition	1	1	On/Off	May 2023	1	1	0	0	16	2	17	3	20
Group dynamics	Utility and need of farmers interest group	1	1	On/Off	May 2023	1	1	0	0	16	2	17	3	20
ICM	Scientific cultivation of Sawan and its value addition	1	1	On/Off	Jun 2023	1	1	0	0	16	2	17	3	20
Mobilization of social resources	Creating awareness towards best utilization of available resources among farmers	1	1	On/Off	Jun 2023	1	1	0	0	16	2	17	3	20
Group dynamics	Farmer Producer Organization (FPO) is need of the time for enhancing income.	1	1	On/Off	Jul 2023	1	1	0	0	16	2	17	3	20
ICM	Cultivation of Cheena in perspective of Climate change	1	1	On/Off	Jul 2023	1	1	0	0	16	2	17	3	20
Information networking	Income generation by means of value addition in millets	1	1	On/Off	Aug2023	1	1	0	0	16	2	17	3	20
Entrepreneurial development	By- products of beekeeping for increasing income.	1	1	On/Off	Aug2023	1	1	0	0	16	2	17	3	20
Entrepreneurial development	Income generation through mushroom Production.	1	1	On/Off	Sep 2023	1	1	0	0	16	2	17	3	20
Entrepreneurial development	Income generation through mushroom Production.	1	1	On/Off	Sep 2023	1	1	0	0	16	2	17	3	20
Entrepreneurial development	Enhancing income by means of value added products of mushroom	1	1	On/Off	Oct 2023	1	1	0	0	16	2	17	3	20
Entrepreneurial development	Honey production for self income generation	1	1	On/Off	Oct 2023	1	1	0	0	16	2	17	3	20
Entrepreneurial development	Income generation through mushroom Production.	1	1	On/Off	Nov2023	1	1	0	0	16	2	17	3	20
Entrepreneurial development	Enhancing income by means of value added products of mushroom	1	1	On/Off	Nov2023	1	1	0	0	16	2	17	3	20

Thematic area	Title of Training	No	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Entrepreneurial development	Income generation through mushroom Production.	1	1	On/Off	Dec 2023	1	1	0	0	16	2	17	3	20
Entrepreneurial development	Enhancing income by means of value added products of mushroom	1	1	On/Off	Dec 2023	1	1	0	0	16	2	17	3	20
	Total	**31**				**31**	**31**	**0**	**0**	**496**	**62**	**527**	**93**	**620**
Veterinary Science														
Disease management	Management of infertility in dairy animals	1	1	On/Off	Jan. 2023	1	1	0	0	16	2	17	3	20
Dairy management	Management of cattle in winter season	1	1	On/Off	Jan. 2023	1	1	0	0	16	2	17	3	20
Poultry Management	Backyard poultry farming	1	1	On/Off	Jan. 2023	1	1	0	0	16	2	17	3	20
Disease management	Disease management in goat	1	1	On/Off	Feb 2023	1	1	0	0	16	2	17	3	20
Disease management	Management of FMD in cattle	1	1	On/Off	Feb2023	1	1	0	0	16	2	17	3	20
Poultry Management	Commercial broiler farming	1	1	On/Off	Mar2023	1	1	0	0	16	2	17	3	20
Feed Management	Treatment of straw with urea	1	1	On/Off	Mar2023	1	1	0	0	16	2	17	3	20
Goat Farming	Small scale goat farming	1	1	On/Off	Mar2023	1	1	0	0	16	2	17	3	20
Goat farming	Small scale goat farming	2	1	On/Off	Apr 22/ Oct 22	8	6	0	0	20	6	28	12	40
Feed Management	Treatment of straw with urea	2	1	On/Off	May 22/ Nov 22	8	6	0	0	20	6	28	12	40
Disease Management	Management of HS & BQ in dairy animals	2	1	On/Off	May 22/ Jun 22	8	6	0	0	20	6	28	12	40
Poultry Management	Income generation through backyard poultry	2	1	On/Off	June 22/ Dec 22	8	6	0	0	20	6	28	12	40
Disease Management	Management of infertility in dairy animals	1	1	On/Off	Jul 22	1	1	0	0	16	2	17	3	20
Feed Management	Method of calculation of balanced ration in dairy animals	1	1	On/Off	Jul 22	1	1	0	0	16	2	17	3	20
Poultry Management	Management of commercial broiler	1	1	On/Off	Aug 22	1	1	0	0	16	2	17	3	20
Disease Management	Vaccination in cattle in poultry	1	1	On/Off	Aug 22	1	1	0	0	16	2	17	3	20
Dairy Management	Clean milk production	1	1	On/Off	Sep 22	1	1	0	0	16	2	17	3	20
Feed Management	Fodder production round the year	1	1	On/Off	Sep 22	1	1	0	0	16	2	17	3	20
Disease Management	Management of common diseases of goat	1	1	On/Off	Oct 22	1	1	0	0	16	2	17	3	20
Disease Management	Management & vaccination of FMD in dairy animals	2	1	On/Off	Nov 22/ Dec 22	8	6	0	0	20	6	28	12	40
	Total	**25**				**55**	**45**	**0**	**0**	**340**	**60**	**395**	**105**	**500**

(b) Rural youths

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Crop Production														
ICM	Seed production technology of millets	1	4	ON	May2023	8	1	0	0	15	1	23	2	25
Seed Production	Seed Production Technology in rice	1	5	ON	June 2023	8	1	0	0	15	1	23	2	25
RCT	Different methods of crop establishment	1	4	ON	July 2023	8	1	0	0	15	1	23	2	25
Integrated Farming	Cultivation of aromatic and medicinal Plant	1	5	ON	Sept 2023	8	1	0	0	15	1	23	2	25
Seed Production	Seed Production Technology in Wheat	1	5	ON	Nov 2023	8	1	0	0	15	1	23	2	25
	Total	**5**				**40**	**5**	**0**	**0**	**75**	**5**	**115**	**10**	**125**
Extension Education														
Organic fertilizer	Enhancing Income through Vermi-composting	1	6	ON	June 2023	3	2	0	0	20	5	25	5	30
Beekeeping	Beekeeping and its By- products as the means of self employment	1	6	ON	Sept. 2023	3	2	0	0	20	5	25	5	30
Mushroom Production	Increasing income by mushroom production technology	1	6	ON	Nov. 2023	3	2	0	0	20	5	25	5	30
Value addition	Commercial production of value added products of mushroom	1	6	ON	Feb. 2023	3	2	0	0	20	5	25	5	30
	Total	**4**				**12**	**8**	**0**	**0**	**80**	**20**	**100**	**20**	**120**
Veterinary Science														
Goat rearing	Goatry management	2	3	ON	Apr 2023 July 2023	6	4	0	0	40	10	50	10	60
Dairying	Dairy Management	1	4	ON	Nov 2023	3	2	0	0	20	5	25	5	30
Poultry farming	Commercial poultry farming	1	3	ON	Feb 2023	3	2	0	0	20	5	25	5	30
	Total	**4**				**12**	**8**	**0**	**0**	**80**	**20**	**100**	**20**	**120**

(c) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Crop Production														
ICM	Production technology of millets	1	1	Off	Jan 2023	8	1	0	0	15	1	23	2	25
ICM	Cultivation technique of til	1	1	Off	Feb 2023	8	1	0	0	15	1	23	2	25
ICM	Production technology of millets	1	1	Off	May 2023	8	1	0	0	15	1	23	2	25
INM	INM for sustainable paddy production	1	1	Off	June 2023	8	1	0	0	15	1	23	2	25
INM	Training programme on INM for input dealers	1	15	ON	July 2023	8	1	0	0	15	1	23	2	25
ICM	Nutritional importance of millets	1	1	OFF	Sep 2023	8	1	0	0	15	1	23	2	25
Weed management	Integrated Weed Management in Rabi crops	1	1	Off	Oct 2023	8	1	0	0	15	1	23	2	25
RCT	Different methods of crop establishment	1	1	ON	Nov 2023	8	1	0	0	15	1	23	2	25
	Total	**8**				**64**	**8**	**0**	**0**	**120**	**8**	**184**	**16**	**200**
Extension Education														
Mushroom Production	Doubling income by means of scientific mushroom production technology	1	1	ON	Oct.2023	3	2	0	0	18	2	21	4	25
Beekeeping	Beekeeping by scientific methods.	1	1	ON	Aug.2023	3	2	0	0	18	2	21	4	25
	Total	**2**				**6**	**4**	**0**	**0**	**36**	**4**	**42**	**8**	**50**
Veterinary Science														
Disease Management	Management of infertility in cattle	1	1	ON/OFF	Jun 2023	3	5	0	0	5	7	8	12	20
Dairy Management	Scientific management of dairy animals	1	1	ON/OFF	Dec. 2023	3	5	0	0	5	7	8	12	20
	Total	**2**				**6**	**10**	**0**	**0**	**10**	**14**	**16**	**24**	**40**

3. Frontline demonstration to be conducted*

FLD: 1

Crop: Ragi
Thrust Area: Transplanting
Thematic Area: ICT
Season: Kharif 2023
Farming Situation: Upland Medium

FLD: 2

Crop: Paddy
Thrust Area: ICM
Thematic Area: RCT
Season: Kharif 2023
Farming Situation: Medium/ Upland

FLD: **3**

Crop: Bajra
Thrust Area: ZT
Thematic Area: ICT
Season: Kharif 2023
Farming Situation: Upland Medium

FLD: 4

Crop: Wheat
Thrust Area: ZT
Thematic Area: ICT
Season: Rabi 2023-24
Farming Situation: Upland Medium

S. N.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Ragi (RAU-8)	4	Transplanting	Yield data	Seed			4	0	0	0	6	0	10	0	10
2	Paddy (Sabour Sampann)	5	Transplanting	Yield & Economics	Seed			4	1	0	0	7	1	11	2	13
3	Bajra	1	ZT	Yield & Economics	Seed			2	1	0	0	2	1	4	1	5
4	Wheat (BHU 31/DBW 187)	10	ZT, Biofortified	Yield data	Seed			8	2	-	-	12	3	20	5	25

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Field day on Transplanting ragi	1	PF	1	Off	25	5	-	-	60	10	85	15	100
Field day	Field day on high yielding paddy var. S. Sampann	1	PF	1	Off	25	5	-	-	60	10	85	15	100
Field day	Field day on bazra	1	PF	1	Off	25	5	-	-	60	10	85	15	100
Field day	Field day on Early sowing of wheat var. DBW 187	1	PF	1	Off	25	5	-	-	60	10	85	15	100

FLD: 5

Crop: Mushroom
Thrust Area: Income & employment generation through cultivation of mushroom
Thematic Area: Mushroom production
Season: Rabi
Farming Situation: Low temperature, High relative humidity inside room

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Name of Inputs	Cost of cultivation	No. of farmers / demonstration								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
1	Mushroom (Button mushroom)	250 (No.)	Spawn, compost, chemicals & packaging materials	Yield, BCR	Spawn, compost, chemicals & packaging materials	20000	5	15	0	0	5	25	10	40	50

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training/Field day	Scientific cultivation of mushroom	1	50	1 day	ON	5	15	0	0	5	25	10	40	50

FLD: 6

Crop: Muskmelon
Thrust Area: Income & employment generation through cultivation of muskmelon
Thematic Area: Fruit production
Season: Summer
Farming Situation: Moderate temperature & irrigated condition

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Name of Inputs	Cost of cultivation	No. of farmers / demonstration								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
1	Muskmelon (Var. – Pusa Madhuras)	1	Seed	Yield, BCR	Seed	56000/ha	5	15	0	0	5	25	10	40	50

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training/ Field day	Scientific cultivation of muskmelon	1	50	1 day	ON	5	15	0	0	5	25	10	40	50

FLD: 7

Crop: Poultry
Thrust Area: Backyard poultry
Thematic Area: Poultry farming
Season: Rabi/Kharif
Farming Situation:

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Poultry (Sonali)	500	Sonali Chicks	Body weight	Chicks	25000	-	0	40	0	0	0	10	0	50	50

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
1.	Field day	1	PF	1	Off	5	5	0	0	10	5	15	10	25

FLD: 8

Crop: Livestock
Thrust Area: Feed Management
Thematic Area: Feed Management
Season: Rabi/Kharif
Farming Situation: Semi intensive

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Livestock	20	Mineral Mixture	Milk production/animal/day	Mineral Mixture	20000	-	3	2	0	0	13	2	16	4	20

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
1.	Field day	1	PF	1	Off	5	5	0	0	10	5	15	10	25

4. Frontline demonstration to be conducted*

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)/No.	No. of farmers/demonstration								
					SC		ST		Others		Total		
					M	F	M	F	M	F	M	F	T
1	Ragi	ICT	Transplanting, Seed (RAU - 8)	4	4	0	0	0	6	0	10	0	10
2	Paddy	ICM	Transplanting, Seed (Sabour Sampan)	5	4	1	0	0	7	1	11	2	13
3	Bajra	ICM	ZT, Seed	1	2	1	0	0	2	1	4	1	5
4	Wheat	ICT	ZT, Seed (BHU - 31/DBW - 187)	10	8	2	-	-	12	3	20	5	25
5	Mushroom	Mushroom production	Spawn, compost, chemicals & packaging materials	250	5	15	0	0	5	25	10	40	50
6	Muskmelon	Fruit production	Seed (Pusa Madhuras)	1	5	15	0	0	5	25	10	40	50
7	Poultry	Poultry farming	Chicks (Sonali)	500	0	40	0	0	0	10	0	50	50
8	Livestock	Feed Management	Chelated Mineral Mixture	80	3	2	0	0	13	2	16	4	20

4. a) Seed and planting material production by utilization of instructional farm (Crops / Enterprises)

Name of the Crop / Enterprise	Variety / Type	Period From Jan. 2023 to Dec. 2023	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Greengram	Samrat	Mar-Jun	1.0	C/S	10.0	25000	150000	125000
Paddy	R. Sweta	Jun-Nov	2.5	C/S	75.0	125000	337500	212500
Paddy	S. Sampann	Jun-Nov	1.0	C/S	30.0	40000	135000	95000
Wheat	DBW-187	Nov-Apr	3.5	C/S	87.5	140000	393750	253750

b) Village Seed Production Programme

Name of the Crop / Enterprise	Variety / Type	Period From…… to ……..	Area (ha.)	No. of farmers	Details of Production				
					Type of Produce	Expected Production(q)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)

5. Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
1.	Field Day	12	350	45	395	15	10	3	13	360	48	408
2.	KisanMela	1	50	0	50	30	2	0	2	52	0	52
3.	KisanGhosthi	40	700	100	800	25	25	10	35	725	110	835
4.	Exhibition	1	-	-	0	0	-	-	0	0	0	Mass
5.	Film Show	0	0	0	0	0	0	0	0	0	0	0
6.	Method Demonstrations	3	45	5	50	15	3	2	5	48	7	55
7.	Farmers Seminar	1	40	5	45	15	3	2	5	43	7	50
8.	Workshop	1	-	-	-		-	-	-	-	-	Mass
9.	Group meetings	1	25	0	25	15	0	0	0	25	0	25
10.	Lectures delivered as resource persons	25	600	50	650	15	20	10	30	620	60	680
11.	Advisory Services	1000	800	200	1000	25	0	0	0	800	200	1000
12.	Scientific visit to farmers field	50	45	5	50	15	3	2	5	48	7	55
13.	Farmers visit to KVK	1500	1100	400	1500	30	50	20	70	1150	420	1570
14.	Diagnostic visits	10	80	20	100	15	3	1	4	83	21	104
15.	Exposure visits	5	150	0	150	15	0	0	0	150	0	150
16.	Ex-trainees Sammelan	1	30	0	30	15	0	0	0	30	0	30
17.	Soil health Camp	1	30	15	45	15	2	1	3	32	16	48
18.	Animal Health Camp	1	35	15	50	15	3	1	4	38	16	54
19.	Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0
20.	Soil test campaigns	1	25	5	30	15	3	2	5	28	7	35
21.	Farm Science Club Conveners meet	1	30	0	30	15	0	0	0	30	0	30
22.	Self Help Group Conveners meetings	1	25	0	25	15	0	0	0	25	0	25
23.	Mahila Mandals Conveners meetings	1	0	25	25	0	0	5	5	0	30	30
24.	Celebration of important days (specify)	10	250	50	300	15	5	1	6	255	51	306
25.	Any Other (Specify)				0	0			0	0	0	0
	Total	**2667**	**4410**	**940**	**5350**	**335**	**132**	**60**	**192**	**4542**	**1000**	**5542**

6. Revolving Fund (in Rs.)

Opening balance of 2022-2023 (As on 01.01.2023)	Amount proposed to be invested during 2023-2024	Expected Return
39,01,302.00	**8,50,000.00**	**17,00,000.00**

7. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)
ATMA	ATMA, Gaya	2,00,000.00

9. On-farm trials to be conducted*

OFT-1 (Crop Production)

1	**Season:**	Kharif
2	**Title of the OFT:**	Integration of fertilizer in different form on yield of lentil
3	**Thematic Area:**	Integrated Crop Management
4	**Problem diagnosed:**	Injudicious use of chemical fertilizer
5	**Important Cause:**	Low yield of lentil
6	**Production system:**	Rice-lentil Production System
7	**Micro farming system:**	Crop production
8	**Technology for Testing:**	TO_1 (FP) – Seed treatment + RDF (20:40:0 NPK kg/ha) TO_2 - 50% of RDF + WSF (18:18:18 @5g/l water) at pre-flowering stage TO_3 – Seed treatment with PSB + Rhizobium, 50% of RDF + WSF (18:18:18 @5g/l water) at pre-flowering stage
9	**Existing Practice:**	Seed treatment + RDF (20:40:0 NPK kg/ha)
10	**Hypothesis:**	All technology option produces similar yield
11	**Objective(s):**	To increase the yield of lentil
12	**Treatments:**	TO_1 (FP) – Seed treatment + RDF (20:40:0 NPK kg/ha) TO_2 - 50% of RDF + WSF (18:18:18 @5g/l water) at pre-flowering stage TO_3 – Seed treatment with PSB + Rhizobium, 50% of RDF + WSF (18:18:18 @5g/l water) at pre-flowering stage
13	**Critical Inputs:**	Seed and water-soluble fertilizer
14	**Unit Size:**	1 acre
15	**No of Replications:**	7
16	**Unit Cost:**	Rs 2450=00
17	**Total Cost:**	Rs 2000 X 7=Rs 14000
18	**Monitoring Indicator:**	Soil data before and after (pH, EC, OC, NPK), grain yield, No. of plant/m, 1000 grain wt., No. of pod/plant, strover yield and Economics
19	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	OFT workshop, ANDUAT, Ayodhya

OFT – 2 (Crop Production)

1	**Season**	**Kharif**
2	**Title of the OFT:**	Improvement of Nitrogen use efficiency in rice.
3	**Thematic Area:**	Nutrient Use Efficiency
4	**Problem diagnosed:**	Excessive use of chemical fertilizer and Spiraling price of urea leads to increase in cost of cultivation
5	**Important Cause:**	Low yield due to imbalance use of fertilizer
6	**Production system:**	Rice-Wheat
7	**Micro farming system:**	Medium upland, rainfed
8	**Technology for Testing:**	Farmer Practice: RDF (100:40:20) Kg/ha TO_1:50% of RDN & 100% PK + nano urea @4ml/lt. water (Single spray at pre flowering stage). TO_2: 50% of RDN & 100% PK + 2 sprays of Nano Urea at (25 to 30 days) and (60-65 days) @ 4 ml/lt water.
9	**Existing Practice**	RDF (100:40:20) Kg/ha
10	**Hypothesis:**	Low yield
11	**Objective(s):**	Yield enhancement with balance uses of fertilizer
12	**Treatments:**	Farmer Practice: RDF (100:40:20) Kg/ha TO_1:50% of RDN & 100% PK + nano urea @4ml/lt. water (Single spray at pre flowering stage). TO_2: 50% of RDN & 100% PK + 2 sprays of Nano Urea at (25 to 30 days) and (60-65 days) @ 4 ml/lt water.
13	**Critical Inputs:**	Seed
14	**Unit Size:**	1 Acre
15	**No of Replications:**	7
16	**Unit Cost:**	3000
17	**Total Cost:**	21000
18	**Monitoring Indicator:**	Plot size (10x10 m2)/ in each tech. option, soil data before and after (pH, EC, OC, NPK,), Yield data, No. of effective tillers/m2,1000 grain weight, Panicle weight, Grain and Straw yield and Economics.
19	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	OFT workshop, BAU Sabour. BAU Ranchi and Dr RPCAU, Pusa, ICAR RCER, Patna

OFT-3 (Crop Production)

1	**Season**	**Rabi**
2	**Title of the OFT:**	Improvement of nitrogen use efficiency in wheat
3	**Thematic Area:**	Nutrient Use Efficiency
4	**Problem diagnosed:**	Excessive use of chemical fertilizer and Spiraling price of urea leads to increase in cost of cultivation
5	**Important Cause:**	Low yield of wheat due to imbalance use of fertilizer
6	**Production system:**	Rice-wheat Production System
7	**Micro farming system:**	Crop production
8	**Technology for Testing:**	TO_1 (FP) – RDF (100:40:20) Kg/ha TO_2 - 50% of RDN & 100% PK + nano urea @4ml/lt. water (Single spray at 35 DAS) TO_3 – 50% of RDN & 100% PK + 2 sprays of Nano Urea at (35 DAS) and (60-65DAS) @ 4 ml/lt water
9	**Existing Practice**	RDF (100:40:20) Kg/ha
10	**Hypothesis:**	Low yield due to no use of potash
11	**Objective(s):**	To increase the yield of wheat
12	**Treatments:**	TO_1 (FP) – RDF (100:40:20) Kg/ha TO_2 - 50% of RDN & 100% PK + nano urea @4ml/lt. water (Single spray at 35 DAS) TO_3 – 50% of RDN & 100% PK + 2 sprays of Nano Urea at (35 DAS) and (60-65DAS) @ 4 ml/lt water
13	**Critical Inputs:**	Seed and nano-fertilizer
14	**Unit Size:**	1 acre
15	**No of Replications:**	7
16	**Unit Cost:**	Rs 3275=00
17	**Total Cost:**	Rs 3275X 7=Rs 22925/-
18	**Monitoring Indicator:**	Soil data before and after (pH, EC, OC, NPK,), Yield data, No. of effective tillers/ m2 ,1000 grain wt., Panicle wt., Straw yield and Economics
19	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	OFT workshop, BAU Sabour. BAU Ranchi and RPCAU, Pusa, ICAR RCER, Patna

OFT-4 (Crop Production)

1	**Season**	**Kharif**
2	**Title of the OFT:**	Diversification of rice-based cropping systems.
3	**Thematic Area:**	Crop diversification
4	**Problem diagnosed:**	low profitability of existing cropping system.
5	**Important Cause:**	Low income due to rice-wheat cropping system
6	**Production system:**	Rice-Wheat
7	**Micro farming system:**	Medium upland
8	**Technology for Testing:**	Farmer Practice: Rice – Wheat (prominent cropping system of district) TO_1: Rice- Maize + Potato TO_2: Rice-Maize + Vegetable Pea TO_3: Rice-wheat –Green gram
9	**Existing Practice**	Rice – Wheat (prominent cropping system of district)
10	**Hypothesis:**	Low income
11	**Objective(s):**	To increase the income through different cropping system
12	**Treatments:**	Farmer Practice: Rice – Wheat (prominent cropping system of district) TO_1: Rice- Maize + Potato TO_2: Rice-Maize + Vegetable Pea TO_3: Rice-wheat –Green gram
13	**Critical Inputs:**	Seed
14	**Unit Size:**	1 Acre
15	**No of Replications:**	7
16	**Unit Cost:**	4000
17	**Total Cost:**	28000
18	**Monitoring Indicator:**	Plot size (10x10 m2)/ in each tech option line sowing, soil data before and after (pH, EC, OC, NPK,), rice equivalent yield qt/ha of all crops, sole crop and intercropping, cost of cultivation
19	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	OFT workshop, BAU Sabour. BAU Ranchi and Dr RPCAU, Pusa, ICAR RCER, Patna

OFT-5 (Extension Education)

1	**Season:**	**Kharif**
2	**Title of the OFT:**	Assessing the Extension Education methods for awareness and use of Soil Health Card
3	**Thematic Area:**	Capacity building
4	**Problem diagnosed:**	Low yield due to imbalanced nutrients in the soil as a result of less awareness towards use of fertilizers as recommended in SHC.
5	**Important Cause:**	Non-adoption of recommended dose of fertilizers
6	**Production system:**	Paddy-Wheat-Green gram
7	**Micro farming system:**	Timely sown, irrigated condition
8	**Technology for Testing:**	Farmers Practice: Without Extension Education methods TO_1: Farmers having SHC with Training Literature TO_2: Farmers having SHC with Customized social media advisory TO_3: Farmers having SHC with Training Literature and Customized social media advisory
9	**Existing Practice:**	Overdose/ under dose of fertilizers application
10	**Hypothesis:**	All farmers are aware of dose of fertilizer recommendations
11	**Objective(s):**	-To create awareness about use & importance of soil health card. -To know the level of knowledge of the farmers about recommended dose of fertilizers -To find the level of adoption of recommended dose of fertilizers -To know the increase in yield due to use of fertilizers as per recommendations
12	**Treatments:**	Farmers Practice: Without Extension Education methods TO_1: Farmers having SHC with Training Literature TO_2: Farmers having SHC with Customized social media advisory TO_3: Farmers having SHC with Training Literature and Customized social media advisory
13	**Critical Inputs:**	-
14	**Unit Size:**	-
15	**No of Replications:**	60
16	**Unit Cost:**	Rs. 200/-
17	**Total Cost:**	Rs. 12000/-
18	**Monitoring Indicator:**	1. Knowledge related to SHC 2. Change in Awareness level with respect to use of SHC 3. Adoption of Recommended Practice in relation to SHC 4. Data related to Extension Efficiency Parameter
19	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	OFT workshop, BAU, Ranchi, Jharkhand

OFT-6 (Veterinary Science)

1	**Season:**	Rabi/Kharif
2	**Title of the OFT:**	Effect of feeding and local application of herbal medicine on clinical and subclinical mastitis
3	**Thematic Area:**	Disease management
4	**Problem diagnosed:**	Mastitis is the major problem in milch animal. Its treatment is costly and loss the milk production
5	**Important Cause:**	Hormonal imbalance and nutrient deficiency
6	**Production system:**	Semi-intensive
7	**Micro farming system:**	Semi-intensive
8	**Technology for Testing:**	All animals are dewormed before starting trial. Farmer Practice (FP) -Hot fomentation TO_1: Herbal gel (lacto mastigel) application 5 times for 5 days TO_2: Herbal gel application 5 times for 5 days and + Oral herbal (lacto mastfree) 80 ml orally 3 days (Herbal gel –Aloe vera Paste 250g +Lemon Juice (6no.)+Neem Leaf 50g+Garlic paste 50g +Turmeric powder 50g Oral herbal -Aloe vera Pulp 250g +Lemon Juice 2no +Moringa Leaves 50g +Satavari 50g + Jivanti 20g)
9	**Existing Practice:**	Antibiotic treatment
10	**Hypothesis:**	Herbal preparation can heal mastitis
11	**Objective(s):**	To treat clinical and subclinical mastitis
12	**Treatments:**	All animals are dewormed before starting trial. Farmer Practice (FP) -Hot fomentation TO_1: Herbal gel (lacto mastigel) application 5 times for 5 days TO_2: Herbal gel application 5 times for 5 days and + Oral herbal (lacto mastfree) 80 ml orally 3 days
13	**Critical Inputs:**	Medicine
14	**Unit Size:**	1
15	**No of Replications:**	7
16	**Unit Cost:**	2000
17	**Total Cost:**	14000
18	**Monitoring Indicator:**	1. Udder Condition 2. Milk Color 3. Milk Consistency 4. Total Milk Yield 5. Milk pH 6. CMT Test 7. No. of days required for recovery of animal a) Benefit Cost ratio
19	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	OFT workshop, IVRI, Izatnagar

OFT – 7 (Veterinary Science)

1	**Season:**	Rabi
2	**Title of the OFT:**	Study on production and comparative nutritive value evaluation of hydroponic wheat and maize fodder
3	**Thematic Area:**	Feed management
4	**Problem diagnosed:**	Low milk production due to low availability of green fodder
5	**Important Cause:**	Hormonal imbalance and nutrient deficiency
6	**Production system:**	Semi-intensive
7	**Micro farming system:**	Semi-intensive
8	**Technology for Testing:**	Farmer's Practice: No idea of producing hydroponic fodder TO_1: Capacity building on hydroponic maize fodder production TO_2: Capacity building on hydroponic wheat fodder production
9	**Existing Practice:**	Less use of green fodder
10	**Hypothesis:**	Hydroponic fodder are mor nutritious and economical
11	**Objective(s):**	To increase milk production by feeding hydroponic fodder
12	**Treatments:**	Farmer's Practice: No idea of producing hydroponic fodder TO_1: Capacity building on hydroponic maize fodder production TO_2: Capacity building on hydroponic wheat fodder production
13	**Critical Inputs:**	Medicine
14	**Unit Size:**	1
15	**No of Replications:**	7
16	**Unit Cost:**	Rs. 5000.00
17	**Total Cost:**	Rs 5000/- x 7 = 35000/-
18	**Monitoring Indicator:**	a) Milk yield (kg/ cow/ day) b) Cost of feed (Rs. / cow/ day) c) Feed cost/ kg milk production (Rs.) d) Gross return from milk (Rs. / cow/ day) e) Net profit (Rs. / cow/ day) f) BC ratio
19	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	OFT workshop, IVRI, Izatnagar

10. List of Projects to be implemented by funding from other sources (other than KVK fund)

Sl. No.	Name of the project	Fund expected (Rs.)
1.	GKMS	10,00,000.00
2.	CRAP	25,00,000.00

11. No. of success stories proposed to be developed with their tentative titles

1 – Mushroom Production

2 – Integrated Farming System

3 – Goat farming

12. Scientific Advisory Committee

Date of SAC meeting held during 2022-23	Proposed date during 2023
16 August, 2022	16 August, 2023

13. Soil and water testing

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		
Soil Samples	50	5	1	0	0	40	4	45	5	50	10	50
Water Samples												
Other (Please specify)												
Total	**50**	**5**	**1**	**0**	**0**	**40**	**4**	**45**	**5**	**50**	**10**	**50**

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2023	Expected fund requirement (Rs.)
Pay and Allowance	1,31,68,480.00	1,60,00,000.00
T.A.	1,00,000.00	1,50,000.00
HRD	15,000.00	25,000.00
Contingency	6,50,000.00	8,00,000.00
Capital	0.00	2,00,000.00
Total	**1,39,33,480.00**	**1,71,75,000.00**

* Any additional requirement may be suitably justified.

15. Every KVK should bring a brief write-up supported by quality photographs about the technology having wide acceptability among the farming community of the district with factual data

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